

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of AINA'E COMPANY, LIMITED, licensee of KLEI(TV), Kailua-Kona, Hawaii, and permittee of a new digital television station to operate on Channel 25 as KLEI-DT (BPCDT-19991101AKS), in support of its request for Special Temporary Authority to operate with reduced effective radiated power at a new site.

Exhibit B provides antenna pattern data and proposed operating parameters are tabulated in Exhibit C. Exhibit D is a map upon which the authorized and proposed 41 dbμ digital service contours are plotted. It shows that the proposed contour is entirely within that authorized to KLEI-DT. Exhibit E demonstrates that the requisite 48 dbμ service will be provided to the community of license. In all respects, the proposed facility complies with the Commission's Rules.

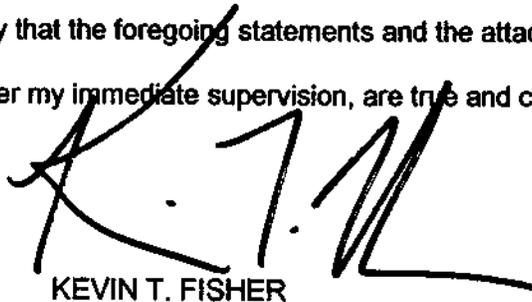
Because no change in the overall height or location of the existing tower is proposed, the FAA has not been notified of this application. The FCC has issued Antenna Structure Registration Number 1211321 to this tower.

We have studied the RF transmissions of this facility with regard to their environmental effect. Employing the methods set forth in *OET Bulletin No. 65* and considering the vertical pattern of the proposed Scala antenna, we calculate maximum power density two meters above ground from the proposed facility to be 0.00022 mw/cm^2 , at locations 23 meters south-southwest of the tower base, which is but 0.06 percent of the 0.36 mw/cm^2 reference at this

EXHIBIT A

frequency for uncontrolled areas. Further, the owners of KLEI-DT will take whatever preventive steps are necessary, such as reducing power or leaving the air temporarily, to ensure that workers operating in the vicinity of the antenna are not exposed to excessive RF energy. On this basis, a grant of this proposal would clearly constitute a minor environmental action with respect to public and occupational exposure to nonionizing electromagnetic radiation.

I declare under penalty of perjury that the foregoing statements and the attached exhibits, which were prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.



Handwritten signature of Kevin T. Fisher in black ink, consisting of stylized initials and a surname.

KEVIN T. FISHER

December 13, 2002

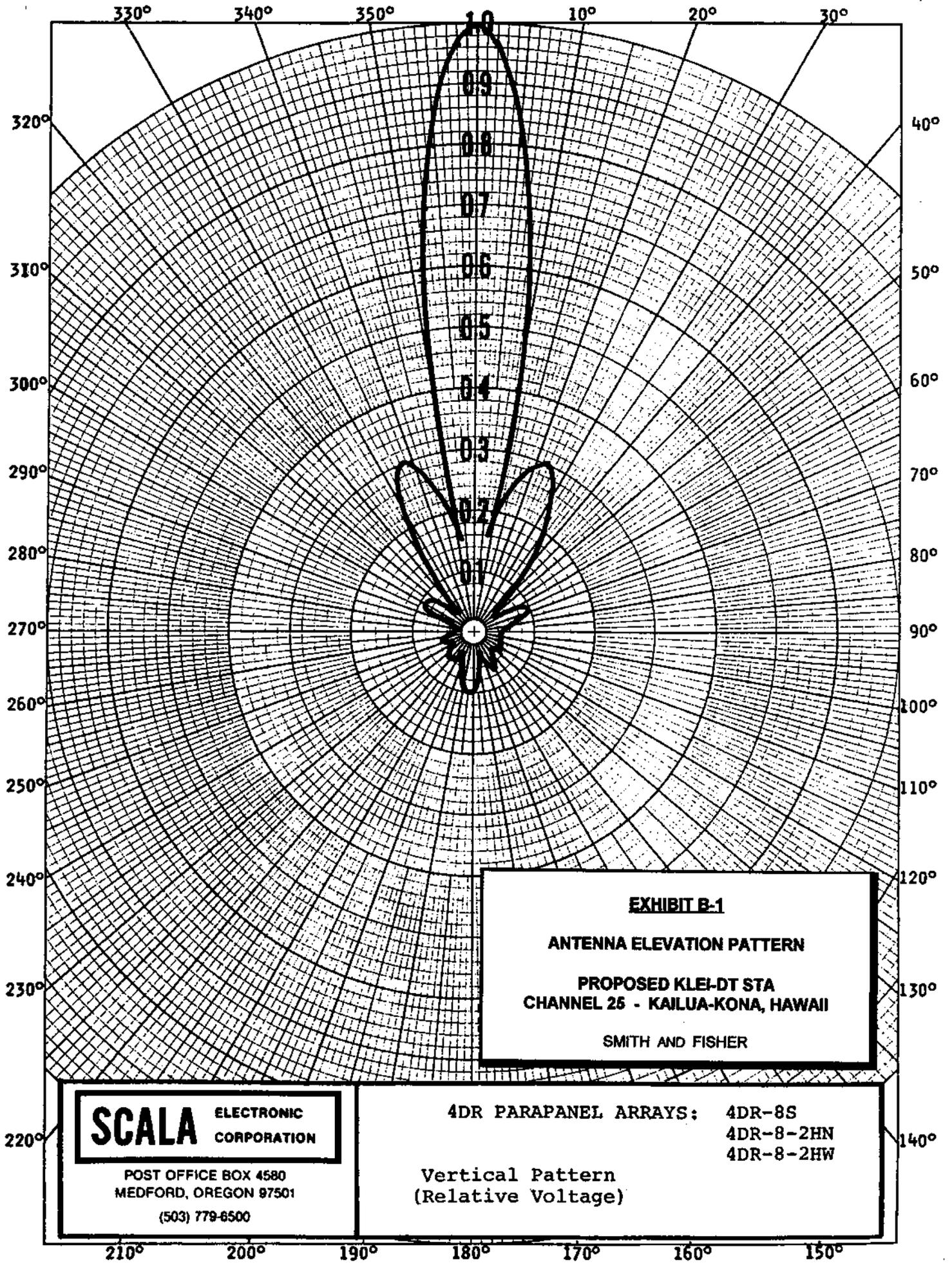


EXHIBIT B-1
ANTENNA ELEVATION PATTERN
PROPOSED KLEI-DT STA
CHANNEL 25 - KAILUA-KONA, HAWAII
 SMITH AND FISHER

SCALA ELECTRONIC CORPORATION

POST OFFICE BOX 4580
 MEDFORD, OREGON 97501
 (503) 779-6500

4DR PARAPANEL ARRAYS: 4DR-8S
 4DR-8-2HN
 4DR-8-2HW

Vertical Pattern
 (Relative Voltage)

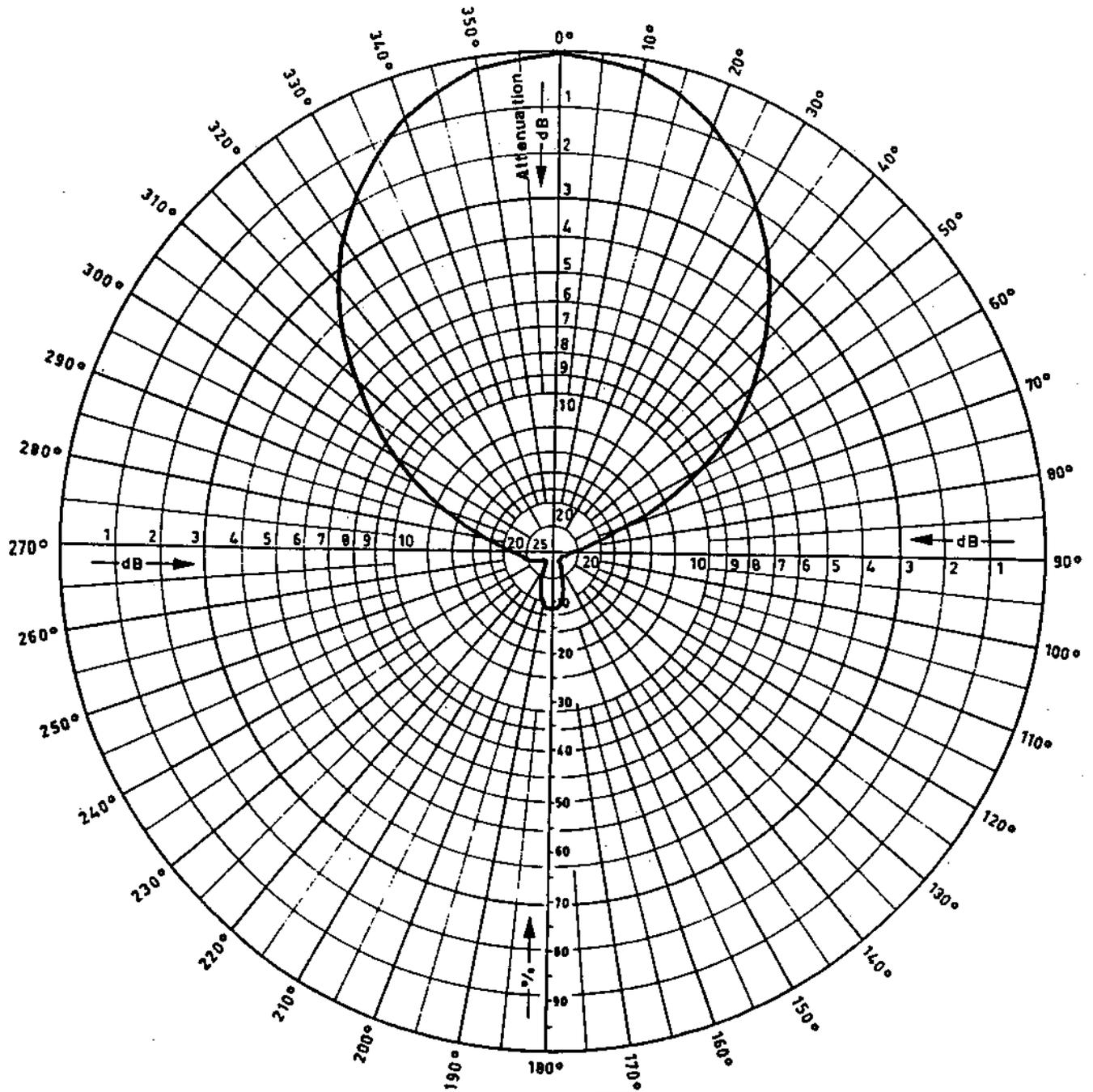


EXHIBIT B-2

ANTENNA AZIMUTH PATTERN

**PROPOSED KLEI-DT STA
CHANNEL 25 - KAILUA-KONA, HAWAII**

SMITH AND FISHER

SCALA

ELECTRONIC CORPORATION

POST OFFICE BOX 4580
MEDFORD, OREGON 97501
(503) 779-6500
TELEX: 151681 SCALA MEF
FAX: (503) 779-3991

**NOTE: ANTENNA WILL BE MOUNTED
SUCH THAT 0° ON GRAPH WILL BE
ORIENTED AT 220° T.**

HORIZONTAL RELATIVE FIELD PATTERN

PROPOSED STA FACILITY
 KLEI-DT
 CHANNEL 25 - KAILUA-KONA, HAWAII

<u>Azimuth</u> <u>(° T)</u>	<u>Relative</u> <u>Field</u>	<u>ERP</u> <u>(dbk)</u>	<u>Azimuth</u> <u>(° T)</u>	<u>Relative</u> <u>Field</u>	<u>ERP</u> <u>(dbk)</u>
0	0.07	-19.1	180	0.92	3.3
10	0.10	-16.0	190	0.98	3.8
20	0.11	-15.2	200	1.00	4.0
30	0.10	-16.0	210	0.98	3.8
40	0.06	-20.4	220	0.92	3.3
50	0.03	-26.5	230	0.81	2.2
60	0.02	-30.0	240	0.68	0.7
70	0.02	-30.0	250	0.53	-1.5
80	0.03	-26.5	260	0.35	-5.1
90	0.04	-24.0	270	0.14	-13.1
100	0.06	-20.4	280	0.06	-20.4
110	0.07	-19.1	290	0.03	-26.5
120	0.12	-14.4	300	0.03	-26.5
130	0.21	-9.6	310	0.02	-30.0
140	0.35	-5.1	320	0.02	-30.0
150	0.51	-1.8	330	0.02	-30.0
160	0.68	0.7	340	0.03	-26.5
170	0.81	2.2	350	0.04	-24.0

PROPOSED OPERATING PARAMETERS

PROPOSED STA FACILITY
KLEI-DT
CHANNEL 25 - KAILUA-KONA, HAWAII

ERP	2.5 kw
Site Elevation AMSL	1621.5 meters
Overall Structure Height AGL	92.4 meters
Radiation Center Height AGL	59.4 meters
Radiation Center Height AMSL	1681 meters
Radiation Center Height AAT	871 meters
Antenna Structure Registration Number	1211321
Antenna Type	Directional @ 200° T
Geographic Coordinates	19-43-16 N 155-55-15 W

PROPOSED OPERATING PARAMETERS

PROPOSED STA FACILITY
KLEI-DT
CHANNEL 25 - KAILUA-KONA, HAWAII

Transmitter power output	0.25 kw
Transmission line loss	0.09 kw
Input to antenna	0.16 kw
Antenna gain (maximum)	15.85
Effective radiated power (maximum)	2.5 kw

Transmitter make and model:	Type-accepted
Rated Power:	250 watts

Transmission line

Make and model:	Andrew LDF5-50A
Size:	7/8"
Type:	Foam dielectric coaxial
Length:	220 feet

Antenna

Make and model:	Scala 4DR-8S
Type:	Directional @ 200° T
RCAGL	59.4 m (195 feet)

Smith and Fisher

Kaunakakai

AUTHORIZED 41 DBU

Lanai City

Lahei

Kahului

Wailua

Kihei

Hana

PROPOSED 41 DBU

Kapaau

Honokaa

Waimea

Laupahoehoe

Puako

Pepeekeo

KLEI-DT

Hilo

Kailua

Hawaii

Mountain View

Captain Cook

Volcano

Pahala

Naalehu

Scale 1:1,500,000



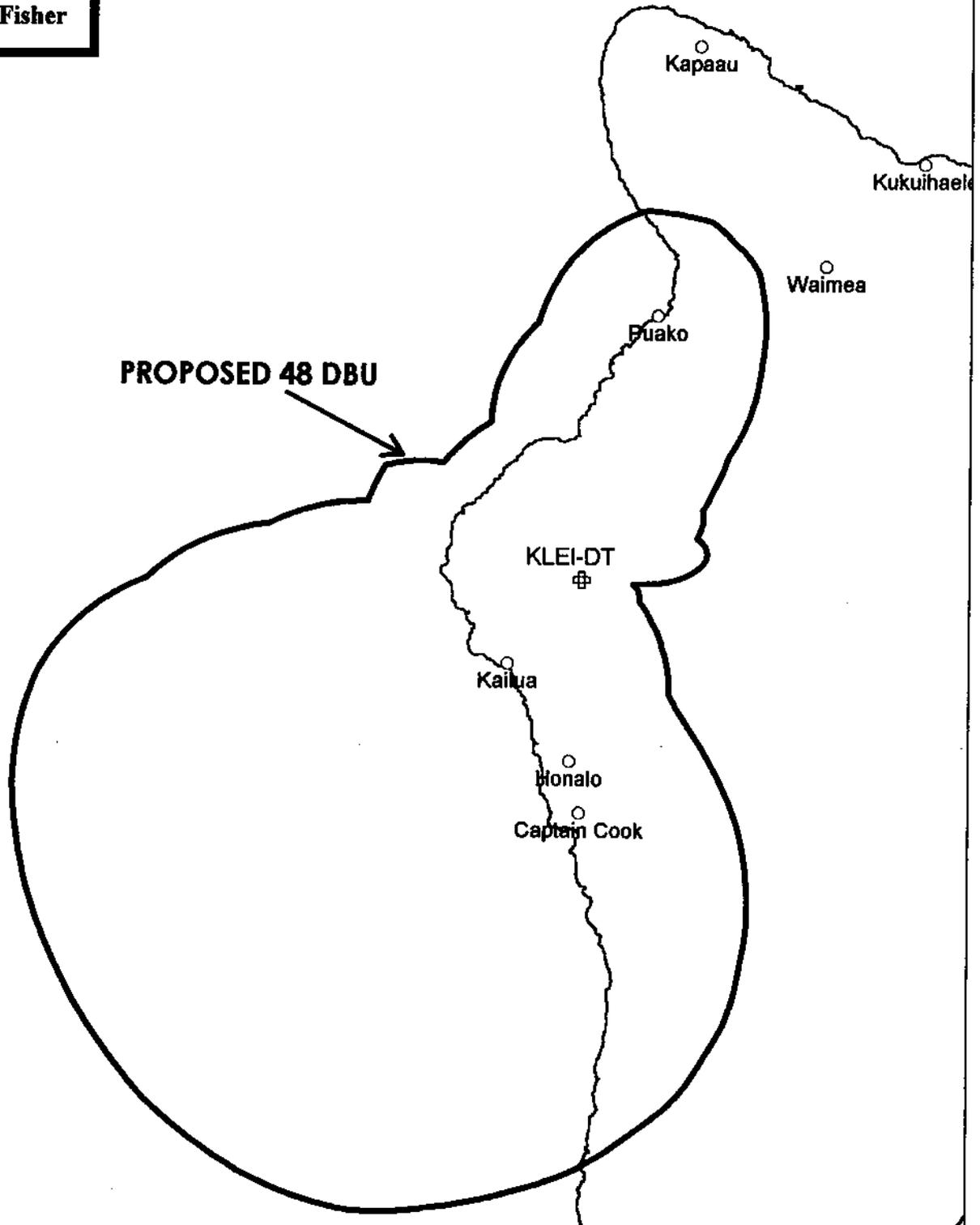
EXHIBIT D

PREDICTED SERVICE CONTOURS

**PROPOSED KLEI-DT STA
CHANNEL 25 - KAILUA-KONA, HAWAII**

SMITH AND FISHER

Smith and Fisher



PROPOSED 48 DBU

KLEI-DT

Kailua

Honalo

Captain Cook

Kapaau

Kukuihaele

Waimea

Puako

EXHIBIT E

COMMUNITY COVERAGE

**PROPOSED KLEI-DT STA
CHANNEL 25 - KAILUA-KONA, HAWAII**

SMITH AND FISHER

Scale 1:645,952

